

SLOVENSKI STANDARD

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Nadomešča:

SIST EN ISO 4126-2:2003

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SIST EN ISO 4126-2:2003/AC:2007

Naprave za varovanje pred visokim tlakom - 2. del: Naprave z razpočnimi membranami (ISO 4126-2:2018)

Safety devices for protection against excessive pressure - Part 2: Bursting disc safety devices (ISO 4126-2:2018)

Sicherheitseinrichtungen gegen unzulässigen Überdruck - Teil 2:
Berstscheibeneinrichtungen (ISO 4126-2:2018)

Dispositifs de sécurité pour protection contre les pressions excessives - Partie 2:
Dispositifs de sûreté à disque de rupture (ISO 4126-2:2018)

Ta slovenski standard je istoveten z: EN ISO 4126-2:2019

ICS:

13.240	Varstvo pred previsokim tlakom	Protection against excessive pressure
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EUROPEAN STANDARD

EN ISO 4126-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2019

ICS 13.240

Supersedes EN ISO 4126-2:2003

English Version

Safety devices for protection against excessive pressure - Part 2: Bursting disc safety devices (ISO 4126-2:2018)

Dispositifs de sécurité pour protection contre les
pressions excessives - Partie 2: Dispositifs de sûreté à
disque de rupture (ISO 4126-2:2018)

Sicherheitseinrichtungen gegen unzulässigen
Überdruck - Teil 2: Berstscheibeneinrichtungen (ISO
4126-2:2018)

This European Standard was approved by CEN on 3 December 2018.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN ISO 4126-2:2019) has been prepared by Technical Committee ISO/TC 185 "Safety devices for protection against excessive pressure" in collaboration with Technical Committee CEN/TC 69 "Industrial valves" the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2019, and conflicting national standards shall be withdrawn at the latest by September 2019.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 4126-2:2003.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For the relationship with EU Directive(s) see informative Annex ZA, which is an integral part of this document.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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Endorsement notice

The text of ISO 4126-2:2018 has been approved by CEN as EN ISO 4126-2:2019 without any modification.

Annex ZA (informative)

Relationship between this European Standard and the Essential Requirements of EU Directive 2014/68/EU (PED) aimed to be covered

This European Standard has been prepared under a Commission's standardization request to provide one voluntary means of conforming to Essential Requirements of New Approach Directive 2014/68/EU, Pressure Equipment Directive (PED).

Once this document is cited in the Official Journal of the European Union under that Directive, compliance with the normative clauses of this document given in Table ZA.1 confers, within the limits of the scope of this document, a presumption of conformity with the corresponding essential requirements of that Directive and associated EFTA regulations.

Table ZA.1 — Correspondence between this European Standard and Annex I of the Directive 2014/68/EU

Essential Requirements of Directive 2014/68/EU	Clause(s)/sub-clause(s) of this EN	Remarks/Notes
Clause 1.3 and 3.4	11	Protection against misuse and instructions for the user
Clause 2.1	5, 6.1.2, 6.2, 7 to 10, 12	General design
Clause 2.2.2	6.1.1	Design for adequate strength The experimental method limited to PN x DN less than 3 000
Clause 2.3	6.1.2	Safe operation
Clause 2.6	4.3	Corrosion
Clause 3.1.2, paragraphs 2 and 3	11.3	Permanent joining
Clause 3.3	17	Marking and labelling

WARNING 1 — Presumption of conformity stays valid only as long as a reference to this European Standard is maintained in the list published in the Official Journal of the European Union. Users of this document should consult frequently the latest list published in the Official Journal of the European Union.

WARNING 2 — Other Union legislation may be applicable to the product(s) falling within the scope of this document.

INTERNATIONAL
STANDARD

ISO
4126-2

Second edition
2018-12

**Safety devices for protection against
excessive pressure —**

**Part 2:
Bursting disc safety devices**

*Dispositifs de sécurité pour protection contre les pressions
excessives —*

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 185, *Safety devices for protection against excessive pressure*.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

This second edition cancels and replaces the first edition (ISO 4126-2:2003), which has been technically revised. The main changes compared to the previous edition are as follows:

- non-applicable references have been removed;
- material references (old [Annexes A](#) and B) have been removed;
- new [Annex A](#) has been added.

A list of all parts in the ISO 4126 series can be found on the ISO website.

ISO 4126-2:2018(E)**Introduction**

A bursting disc safety device is a non-reclosing pressure relief device used to protect pressure equipment such as pressure vessels, piping, gas cylinders or other enclosures from excessive pressure and/or excessive vacuum.

A bursting disc safety device typically comprises an assembly of components including a bursting disc, a bursting disc holder and, where necessary, other components such as back pressure supports, stiffening rings, etc.

The bursting disc is the pressure-sensitive part of the bursting disc safety device and is designed to open by bursting at a specified pressure. There are many different types of bursting disc safety devices manufactured in corrosion resistant materials, both metallic and non-metallic, to cover a wide range of nominal sizes, burst pressures and temperatures.

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